[ANARTS - Australian National Amateur Radio Teletype Society]

ANARTS RTTY News Bulletin 918 21ST JULY 1996

This is VK2TTY VK2TTY the official station of the Australian National Amateur Radio Teleprinter Society, which includes all digital modes, with the weekly broadcast on the following frequencies:

```
  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY

        INTERNET         RADIO-INFO-DIST AT UCSD.EDU
```

A.N.A.R.T.S. News Bulletin 918 21ST JULY 1996

COLS COLUMN

RONALDS TELEGRAPH (CONTINUED)

TO DEMONSTRATE THE UTILITY OF HIS TELEGRAPH OVER A CONSIDERABLE DISTANCE, RONALDS BUILT TWO LARGE WOODEN FRAMES, TWENTY YARDS APART AND WOUND AN IRON WIRE IN ZIG-ZAG FASHION TO AND FRO BETWEEN THEM. HE WAS ABLE TO USE EIGHT MILES OF LINE. BEFORE USING THE CLOCKWORK INDICATING DEVICES RONALDS SATISFIED HIMSELF THE DISCHARGE OF THE LINE WOULD BE INSTANTANEOUS. WE KNOW NOW THAT ELECTRIC CURRENT TRAVELS AT 300,000 KILOMETRES A SECOND, IT WAS NOT KNOWN AT THAT TIME.

WITH HIS LONG LINE HE WAS ABLE TO OBSERVE THE BEHAVIOUR OF BOTH PITH BALL ELECTROMETERS AT THE SAME TIME AND ASSURED HIMSELF THAT THEY BOTH COLLAPSED AT THE SAME INSTANT. HE FIRED TWO PISTOLS ONE AT EACH END OF THE LINE BY THE DISCHARGE OF A "LEYDEN JAR" (AN EARLY CAPACITOR) AND WITH HIS EYES CLOSED COULD NOT DISTINGUISH MORE THAN ONE EXPLOSION. HE ALSO CONSTRUCTED A SUCCESSFUL UNDERGROUND LINE IN WHICH THE WIRE WAS LED THROUGH GLASS TUBES LAID IN A WOODEN TROUGH.

RONALDS SUCCESS WAS CONFINED TO THE TECHNICAL PART OF HIS WORK. IN JULY 1816 HE BROUGHT HIS WORK TO THE ATTENTION OF THE BRITISH GOVERNMENT SENDING A LETTER DESCRIBING HIS APPARATUS AND REQUESTING AN INTERVIEW WITH LORD MELVILLE FIRST LORD OF THE ADMIRALTY. RONALD WAS TOLD IN A BRIEF LETTER FROM SIR JOHN BARROW THE SECRETARY OF THE ADMIRALTY THAT 'TELEGRAPHS OF ANY KIND ARE NOW WHOLLY UNNECESSARY'. (NAPOLEON HAD BEEN DEFEATED BY THE DUKE OF WELLINGTON AND THE ALLIES IN 1815). RONALDS WAS DISCOURAGED FROM ANY FURTHER WORK ON THE TELEGRAPH.

HIS INTEREST IN SCIENTIFIC AND TELEGRAPHIC MATTERS WAS NOT ABATED HOWEVER AND HE CONTINUED TO CONTRIBUTE TO JOURNALS AND THE CATALOGUE OF THE 'RONALDS COLLECTION' REFERS TO CORRESPONDENCE BETWEEN HIMSELF AND W. F. COOKE CONCERNING THE TELEGRAPH WHEN LARGELY OWING TO COOKES LABOURS AND BUSINESS ACUMEN, THE TELEGRAPH BECAME COMMERCIALLY SUCCESSFUL.

ONE LAST NOTE, IT IS WORTH MENTIONING THAT RALPH WEDGEWOOD, OF THE FAMOUS POTTERY FAMILY, WORKED UPON A TELEGRAPH WHICH HE SUBMITTED TO THE ADMIRALTY IN 1814 ONLY TO BE REPULSED IN ALMOST THE SAME WORDS AS THOSE ADDRESSED BY BARROW TO RONALDS. AS NO ADEQUATE DESCRIPTION OF HIS APPARATUS SURVIVES HE CANNOT BE REGARDED AS HAVING CONTRIBUTED TO THE SUBJECT.

THE 'RONALDS COLLECTION' IS A LIBRARY OF BOOKS ON ELECTRICITY AND MAGNETISM WITH A CATALOGUE COMPILED BY RONALDS AND EDITED BY FROST THE FIRST LIBRARIAN OF THE INSTITUTION OF ELECTRICAL ENGINEERS (UK). THE COLLECTION IS NOW IN THE POSSESION OF THE INSTITUTION.

COLS COLUMN NR2

THE CALL-IN'S AND CALL-BACK'S ON 40 METRES HAVE BEEN VERY GOOD THIS LAST THREE WEEKS. LAST WEEK FOR INSTANCE THE PROPAGATION FAVOURED THE NORTH COAST AND THE WEEK BEFORE THE SOUTH COAST AND VICTORIA. MOST REPORTS HAVE BEEN IN THE 599 MARK WITH A FEW 579 AND 589.
DURING THE TIME PERIOD MENTIONED THERE HAVE BEEN 14 SEPARATE CALLSIGNS LOGGED, OF COURSE SOME OF THEM ALL THREE WEEKS. THIS IS A BIG IMPROVEMENT ON 40 METRES WHICH HAS GONE THROUGH A TERRIBLE PERIOD. I WOULD LIKE TO THANK ALL THE STATIONS CALLING EITHER BEFORE OR AFTER, HERE IS A LIST OF ALL THE STATIONS CONCERNED. VK2'S AIC, GQC, BQS, BAT. VK3'S ELW, EIB, BVJ, RY, AMN, JW. VK4TT. VK5AJV. VK7KDM. ZL1AOD.

LETS HOPE THE TREND CONTINUE, THOUGH IT IS TOO EARLY TO HOPE THAT PROPAGATION IS IMPROVING. I'M KEEPING MY FINGERS CROSSED FOR THIS WEEK, WHO KNOWS WE MAY EVEN REACH VK6 HI HI. 73S FOR NOW DE COL VK2CTD.

WEEKLY SOLAR AND GEOPHYSICAL REPORT

(12 JULY - 18 JULY)

ISSUED ON 19 JULY 1996

SUMMARY

Date	12	13	14	15	16	17	18
10cm	74	70	68	67	67	67	65
A	11	9	8	8	8	14 (	5 ESTIMATED)
T	12	12	16	18	10	14	9

SOLAR ACTIVITY WAS LOW 12TH AND 14TH JULY, AND VERY LOW FOR THE REST OF THE WEEK.

THE GEOMAGNETIC FIELD AT LEARMONTH W.A. WAS QUIET, OR QUIET TO UNSETTLED THROUGHOUT THE PERIOD. THERE WAS A BRIEF ACTIVE PERIOD ON 18TH JULY.

MAXIMUM USABLE FREQUENCIES AT SYDNEY WERE NEAR PREDICTED VALUES EXCEPT FOR ENHANCEMENTS OF OVER 30 PER CENT ON 13TH JULY. SPORADIC E WAS NOTED ON 14TH AND 17TH JULY, AND THERE WAS SOME NIGHT-TIME SPREAD F ON 17TH.

FORECAST (19 JULY - 25 JULY)

SOLAR: VERY LOW

GEOMAGNETIC: QUIET

FREQUENCIES: NEAR PREDICTED MONTHLY VALUES

COURTESY OF IPS RADIO AND SPACE SERVICES

RTDX0712 RTTY DX
VK2SG RTTY DXNOTES FOR WEEK ENDING 12 JULY 1996 (BID RTDX0712)

Our information this week came from DJ3IW and the Central Europe DX Cluster DB0SPC, HB9BZA, I5FLN and the IK5PWJ Packet Cluster, W5KSI, WB2CJL, DXNS, and the NJ0M Node of the Twin Cities DX Packetcluster Network.

Bandpass:
Friday 5
0946-14084 YI1AXW
1957-14080 CN8GB
2311-14083 CO3ZD

Saturday 6
0007-10128 VO1HP
0049-14087 ER3KS
0205-14080 FO5OP
0818-14088 CS7CBI
0824-14084 EW1MM
0838-14087 LY1KAT
1230-14082 BV7WB
1332-14086 YI1DX
1736-14080 9Q5PA
1818-14082 PJ2MI
2200-14084 5X1C
2207-14083 9Q5PA
2209-14078 NP4FW
2209-14083 XE3ARV

Sunday 7
0925-14085 YI1GHF QSL via P.O. Box 55072, Baghdad
1100-14084 LY1KAT
1103-14085 CN8GB
1129-14085 CX7BF
1208-14085 EA8AHX
1217-14082 HH2JR
1256-14086 9H1ET
1557-14070 HP1XBH Pactor
1756-14087 HP1XBH
1758-14081 HK3SGP
1808-14080 KG4CM QSL via N5FTR
1830-14084 4Z5AV
1913-14080 FO5OP
1913-14083 TG9AXB
2214-14082 YO6OBH
2232-14084 CU7AC
2319-14086 YI1RS

Monday 8
0027-14082 HK3BEO
1229-14084 EA8AM
1810-14086 TA2IO
1937-14082 TA2FT
2021-14083 EI9FV

Tuesday 9
0059-14086 HK3BZO
0427-14086 VR6MW
1814-14083 ZP5ALI

Wednesday 10
1240-14085 YI1XW
1259-14083 BV7WB
1334-14083 BV7WB
1508-14233 OY6FRA SSTV
1557-14088 YI1GHF
1622-14086 4Z5AV
1848-14087 TA2IO
1855-14070 TA3BBS Pactor
1848-14084 YI1XM
2126-14088 EA9JZ
2139-14083 YI1GHF
2153-14084 IS0BKD
2230-14083 YI1XW

Thursday 11
0055-14086 RW6BK
0135-14087 KL7WP
0151-14083 YI1GHF
0153-14-85 LA9GIA
0456-14082 YI1GHF
0550-14085 TA2IO
1119-14081 OY7FRA
1332-14082 RK9CWA
1336-14082 4S7NR
1646-14087 ZD8DEZ
1648-14081 A92GD
1945-14082 OY6FRA
2042-14090 OM3PR

Notes of Interest:
ALAND IS., OH0 - A group of Finnish hams including OH2KI, OH1VR, OH0RJ, OH3MT, OH3MEP, and perhaps OH2/K8MN will be active 1-4 August on RTTY/CW/SSB. Callsign to be announced. QSL VIA OH1VR.

GUANTANAMO BAY, KG4 - KQ4GC will operate as KG4GC between 12-18 July. on RTTY/SSB. QSL via home CBA.

MIDWAY IS., KH4 - Look for activity on RTTY/CW/SSB by an international team in early August.

ROTUMA, 3D2 - 3D2AG/P will be QRV on RTTY/CW for one month during August on 80-10 meters.

The VK2SG RTTY DX NOTES are also available on the Internet at reflectors dx@ve7tcp.ampr.org and digital-dx@st.rim.or.jp .
See also the OH2BUA WebCluster at
URL http://www.clinet.fi/~jukka/webcluster.html .

For next week's bulletin send your bandpass and notes of

interest to Luciano, I5FLN at ZS5S.ZQAF.AF .

73 es good hunting de Jules W2JGR at W5KSI.#NOLA.LA.USA.NA

THE OHIO/PENN DX PACKETCLUSTER
DX BULLETIN NO. 262
JULY 15, 1996

THANKS TO THE NORTHERN OHIO AMATEUR RADIO SOCIETY, NORTHERN OHIO DX ASSOCIATION, OHIO/PENN PACKETCLUSTER NETWORK, N2AU ? INSIDE DX, K4CEF, KQ4GC, KR4UJ, N4UCK, WB4RMJ, WA5YKO, KD8JN, W9JOO ? ISLAND HOPPER, K0HB, W4/YV5DTA, DL6ET, G4BUE ? DX NEWS SHEET, G4BWP, HA1AG, JH1HRJ, PS7AB AND SV1CIB AND FOR THE FOLLOWING DX INFORMATION.

4M, LOS MONJES ISLAND (VENEZUELA). STEVE, W4/YV5TDA, REPORTS HE WILL BE GOING HOME FOR THE CQ WW RTTY CONTEST THIS UPCOMING SEPTEMBER. HE WILL OPERATE AS SINGLE OP/SINGLE BAND (20 METERS) FROM SA-016 AND USE THE CALLSIGN 4M1I. HIS DAD, LUIGI, YV5ENI, WILL ACCOMPANY HIM TO THE ISLAND AND WILL TAKE CARE OF ALL IOTA LOVERS ON SSB. STEVE WILL DO CW BEFORE THE CONTEST AND MAYBE SOME SATELLITE. IF THE TRANSPORTATION TO LOS MONJES FAILS, STEVE WILL GO TO LA TORTUGA (SA-044) AND USE THE 4M5I CALLSIGN. QSL VIA I2CBM.

OLYMPIC STATION W4O. JIM, N4UCK, REPORTS THAT THE 1X1 CALLSIGN W4O HAS BEEN ISSUED AS THE OFFICIAL OLYMPIC COMMEMORATIVE STATION OPERATING IN ATLANTA. JIM IS THE TRUSTEE/HOLDER OF THE CALLSIGN AND IT WILL BE IN USE THROUGH THE OLYMPICS INTO AUGUST. PLEASE DIRECT QSL PER THE INSTRUCTIONS OF THE OPERATOR ON DUTY AT TIME OF CONTACT. INQUIRES CAN BE DIRECTED TO N4UCK.

SV1, CYTHERA ISLAND (GREECE). ANDREAS/SV1BKN, DIMITRIS/SV1CIB AND VASILIS/ SV1DPJ WILL BE ACTIVE FROM THIS GREEK ISLAND (IOTA EU-113) FROM JULY 20-25TH. THIS ISLAND IS LOCATED IN THE PELOPONNISOS SOUTH GROUP. ACTIVITY WILL BE ON ALL BANDS (160-10 METERS) SSB/CW. QSL VIA THE BUREAU OR DIRECT TO: SV1BKN - ANDREAS VLAHOS, DIMOKRATIAS 28, VOULA 16673, ATHENS, GREECE OR SV1DPJ AND SV1CIB - DIMITRIS LIANOS, P.O. BOX 127, ARGINION 30100, GREECE.

UPCOMING IOTA CONTEST (JULY 27-28TH) ACTIVITY.....
NA-076 - PAUL, KR4UJ, AND STEVEN, KR4DL, WILL ACTIVATE CEDAR KEY AS A MULTI/SINGLE ENTRY. THEY WILL ATTEMPT TO ACTIVATE ALL BANDS JUST BEFORE AND DURING THE CONTEST IN MIXED-MODE.

NA-085 - MEMBERS OF THE CLAY COUNTY DX ASSOCIATION WILL BE ACTIVE AS AE4SJ FROM (FL007S) ST. GEORGE ISLAND, FLORIDA, JULY 26-28TH. PLEASE QSL WITH SASE TO GARY YOUNG, 3331 WILDERNESS CIRCLE, MIDDLEBURG, FL 32068.

NA-112 - BILL, WB4RMJ, AND JOHN, WB4NFS, THE O'MARA BROTHERS WILL BE ACTIVE FROM BOGUE BANKS (EMERAL ISLE), NC, JULY 21-28TH. OPERATION WILL INCLUDE 40, 30, 20, 17 AND 6 METERS (50.125

FM-14) SSB AND CW. DURING THE IOTA CONTEST, THEY WILL BE SIGNING W4IY/NA-112 ON SSB AND CW.

SA-029 - LOOK FOR ZX1A ON CW AND ZY1A ON SSB TO BE ACTIVE FROM

GRANDE ISLAND LOCATED IN THE RIO DE JANEIRO STATE WEST GROUP.
QSL VIA PY1SL.

YJ, VANUATU. RON, ZL1AMO, WHO WAS RECENTLY ACTIVE FROM THE FIJI SIGNING 3D2RW, HAS MOVED ON TO YJ-LAND AND IS NOW SIGNING YJ0ARW. HIS UNANNOUNCED ACTIVITY HAS HIM ACTIVE ON THE USUAL 20 AND 40 METER CW FREQUENCIES. ALSO, IT SUGGESTED TO WATCH FOR HIM ON THE WARC BANDS AND THE RTTY FREQUENCIES. HIS LENGTH OF STAY OR NEXT STOP IS UNKNOWN AT THIS TIME. QSL VIA ZL1AMO.

COMING EVENTS

AUGUST	17TH-18TH	SARTG WW RTTY
SEPTEMBER	28TH-29TH	CQ/DJ WW DIGITAL
OCTOBER	19TH-20TH	JARTS WW RTTY

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VK2WI, or the Secretary (Pat) VK2JPA at VK2WI.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or fax to (02) 672-3392, or by packet to VK2JPA at VK2WI.

Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

Email address for the president is :

Colin.Davies@DSE.COM.AU

This concludes the broadcast
73s De Pat VK2JPA Broadcast Officer....
--
Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2DAA.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99